


 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: CHI00LA246		Aircraft Registration Number: N131DS	
		Occurrence Date: 08/06/2000		Most Critical Injury: Minor	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place BISMARCK	State ND	Zip Code 58504	Local Time 1720	Time Zone CDT	
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Summers		Model/Series RV4		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On August 6, 2000, at 1720 central daylight time, a Summers RV4, N131DS, nosed over during a forced landing three miles east of the Bismarck Municipal Airport, Bismarck, North Dakota. The private pilot reported the forced landing was a result of a total loss of engine power. The pilot received minor injuries and the airplane was substantially damaged. The 14 CFR Part 91 personal flight was operating in visual meteorological conditions without a flight plan. The cross-country flight originated from Stevens Point, Wisconsin, exact time unknown.</p> <p>The pilot reported he departed Stevens Point, Wisconsin, with 32 gallons of fuel on board. He stated he arrived in the Bismarck area and was cleared to land on runway 31. He reported the engine lost power and he was too far from the airport to make it to the runway. He selected a gravel road on which to make the forced landing. The gravel road dead-ended at an intersection with a paved road. The airplane traveled off the end of the gravel road, crossed the paved road, and contacted a drainage ditch where it nosed over.</p> <p>The pilot reported that the loss of engine power was a result of fuel exhaustion. The pilot completed a NTSB Form 6120.1/2. The pilot reported on the form that landing earlier for fuel could have prevented the accident.</p>					
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Landing Facility/Approach Information						
Airport Name BISMARCK MUNICIPAL		Airport ID: BIS	Airport Elevation 1678 Ft. MSL	Runway Used 0	Runway Length	Runway Width
Runway Surface Type:						
Runway Surface Condition: Rough						
Type Instrument Approach:						
VFR Approach/Landing: Forced Landing						
Aircraft Information						
Aircraft Manufacturer Summers		Model/Series RV4		Serial Number 2977		
Airworthiness Certificate(s): Experimental (Special)						
Landing Gear Type: Tailwheel						
Homebuilt Aircraft? Yes		Number of Seats: 2	Certified Max Gross Wt. 1600 LBS	Number of Engines: 1		
Engine Type: Reciprocating		Engine Manufacturer: Lycoming	Model/Series: O-320-D1A	Rated Power: 160 HP		
- Aircraft Inspection Information						
Type of Last Inspection Annual		Date of Last Inspection 06/01/2000	Time Since Last Inspection 24 Hours	Airframe Total Time 82 Hours		
- Emergency Locator Transmitter (ELT) Information						
ELT Installed? Yes		ELT Operated? Yes	ELT Aided in Locating Accident Site? No			
Owner/Operator Information						
Registered Aircraft Owner DONALD C. SUMMERS		Street Address N1116 WILBUR ROAD				
		City SPOKANE	State WA	Zip Code 99206		
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner				
		City	State	Zip Code		
Operator Does Business As:			Operator Designator Code:			
- Type of U.S. Certificate(s) Held: None						
Air Carrier Operating Certificate(s):						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 91: General Aviation						
Type of Flight Operation Conducted: Personal						
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First Pilot Information																																																																																				
Name		City		State	Date of Birth																																																																															
On File		On File		On File	Age																																																																															
Sex: M	Seat Occupied: Front	Principal Profession: Unknown		Certificate Number: On File																																																																																
Certificate(s): Private																																																																																				
Airplane Rating(s): Single-engine Land																																																																																				
Rotorcraft/Glider/LTA: None																																																																																				
Instrument Rating(s): None																																																																																				
Instructor Rating(s): None																																																																																				
Type Rating/Endorsement for Accident/Incident Aircraft?			Current Biennial Flight Review?																																																																																	
Medical Cert.: Class 3		Medical Cert. Status: Valid Medical--w/ waivers/lim.		Date of Last Medical Exam: 10/08/1998																																																																																
<table border="1"> <thead> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> </thead> <tbody> <tr> <td>Total Time</td> <td>740</td> <td>82</td> <td>740</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>712</td> <td>82</td> <td>740</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>24</td> <td>24</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>20</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td>4</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	740	82	740								Pilot In Command(PIC)	712	82	740								Instructor											Last 90 Days	24	24									Last 30 Days	20	20									Last 24 Hours	4	4								
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Seatbelt Used? Yes		Shoulder Harness Used? Yes		Toxicology Performed? No																																																																																
				Second Pilot? No																																																																																
Flight Plan/Itinerary																																																																																				
Type of Flight Plan Filed: None																																																																																				
Departure Point		State	Airport Identifier	Departure Time	Time Zone																																																																															
STEVENS POINT		WI	STE	0000																																																																																
Destination		State	Airport Identifier																																																																																	
Same as Accident/Incident Location			BIS																																																																																	
Type of Clearance: VFR																																																																																				
Type of Airspace: Class D																																																																																				
Weather Information																																																																																				
Source of Briefing: Flight Service Station																																																																																				
Method of Briefing:																																																																																				


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Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
BIS	1752	CDT	1678 Ft. MSL	3 NM	90 Deg. Mag.
Sky/Lowest Cloud Condition: Scattered			9000 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None			0 Ft. AGL	Visibility: 10 SM	Altimeter: 29.00 "Hg
Temperature: 25 °C		Dew Point: 19 °C	Wind Direction: 120		Density Altitude: Ft.
Wind Speed: 8		Gusts:	Weather Conditions at Accident Site: Visual Conditions		
Visibility (RVR): 0 Ft.		Visibility (RVV) 0 SM	Intensity of Precipitation: Unknown		
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information					
Aircraft Damage:		Aircraft Fire:		Aircraft Explosion	
Classification:					

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot			1		1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -			1		1
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	1		1

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Administrative Information		
Investigator-In-Charge (IIC) PAMELA S. SULLIVAN		
Additional Persons Participating in This Accident/Incident Investigation: RICHARD KABANUCK FAA, 1801 23RD AVE. N. FARGO, ND 58102		
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